

CITY OF FAIRFIELD

RESOLUTION NO. 2016 - 251

**RESOLUTION OF THE CITY COUNCIL APPROVING THE PLANS AND
SPECIFICATIONS AND AWARDING A CONTRACT TO TEC PRO LTD. FOR THE
NORTH BAY REGIONAL WATER TREATMENT PLANT SCADA SYSTEM
IMPROVEMENTS PROJECT**

WHEREAS, the North Bay Regional Water Treatment Plant is a water treatment facility jointly owned by the cities of Fairfield and Vacaville; and

WHEREAS, the Supervisory Control and Data Acquisition (SCADA) system at the facility, both hardware and software, is near the end of its useful life; and

WHEREAS, a contractor is needed to replace the hardware components of the system; and

WHEREAS, the bid opening for the North Bay Regional Water Treatment Plant SCADA System Improvements Project took place on September 28, 2016; and

WHEREAS, the apparent low bidder was Tec Pro Ltd. in the amount of \$967,558; and

WHEREAS, staff has reviewed the bid documents from Tec Pro Ltd. and found them to be in order; and

WHEREAS, staff is recommending that the City Council award the contract to Tec Pro Ltd. as the lowest responsive and responsible bidder.

NOW, THEREFORE, THE COUNCIL OF THE CITY OF FAIRFIELD HEREBY RESOLVES:

Section 1. The plans and specifications for the North Bay Regional Water Treatment Plant SCADA System Improvements Project are hereby approved.

Section 2. The City Manager is authorized to enter into a contract with Tec Pro Ltd. for the North Bay Regional Water Treatment Plant SCADA System Improvements Project in an amount not to exceed \$967,558.

Section 3. The City Manager is authorized to enter into an escrow agreement for security deposits in lieu of retention for said contract, if necessary.

Section 4. The City Manager is hereby authorized to implement the above-mentioned contract.

PASSED AND ADOPTED this 1st day of November 2016, by the following vote:

AYES: COUNCILMEMBERS: PRICE/TIMM/BERTANI/MOY/VACCARO

NOES: COUNCILMEMBERS: NONE

ABSENT: COUNCILMEMBERS: NONE

ABSTAIN: COUNCILMEMBERS: NONE

Harry F. Price
MAYOR

ATTEST:
Karen L. Rees
CITY CLERK
pw

ARTICLES OF AGREEMENT

THIS AGREEMENT, made on the day of December 6, 2016, by and between CITY OF FAIRFIELD, party of the first part, hereinafter called the CITY, and TEC PRO LTD., party of the second part, hereinafter called the CONTRACTOR.

It is understood Engineer representing the CITY shall be the City Engineer of Fairfield, acting directly or through properly authorized agents.

WITNESSETH, that the CONTRACTOR and the CITY, for the consideration hereinafter named, agree as follows:

I. SCOPE OF WORK

The CONTRACTOR hereby agrees to furnish all of the materials and all of the equipment and labor necessary and to perform all of the work shown on the plans and described in the specifications for the project entitled:

NORTH BAY REGIONAL WATER TREATMENT PLANT SCADA SYSTEM IMPROVEMENTS

all in accordance with the requirements and provisions of the following Documents which are hereby made a part of this Agreement:

- a. Plans prepared for same by Kennedy/Jenks Consultants,
numbered 1-103,
and dated August 8, 2016.
- b. Notice to Contractors.
- c. The accepted Bid, dated September 29, 2016.
- d. Instructions to Bidders.
- e. Specifications consisting of:
 - 1) Special Provisions.
 - 2) Technical Specifications
 - 3) City of Fairfield Standard Details and Specifications, 2015 edition.
 - 4) Standard Specifications issued by State of California, Department of Transportation, Division of Highways, dated 2015.
- f. Performance Bond, dated November 11, 2016.
- g. Labor and Materials Bond, dated November 11, 2016.

All of said documents are intended to cooperate so that any work called for in one and not mentioned in another, or vice versa, is to be executed and performed the same as if mentioned in all of said documents. Said documents, comprising the complete Contract, are sometimes hereinafter referred to as the Contract Documents. Should there be any conflict between the terms of this instrument and the bid or proposal of CONTRACTOR or any of the other Contract Documents, this instrument shall control.

II. TIME OF COMPLETION

- a. The work to be completed under this Contract shall be commenced upon written notice to proceed.
- b. The work shall be completed within **three hundred (300)** working days after the date of written notice to proceed.
- c. Failure to complete the work within the number of days stated in this Article, including extension granted thereto as determined by the Engineer, shall entitle the CITY to deduct from the monies due to the CONTRACTOR as "Liquidated Damages" (LDs) an amount equal to **Five Hundred Dollars (\$500)** for each calendar day or fraction thereof that expires after the time specified herein of the Contractor to complete the work and the facility or improvements are useable for its intended use. LDs shall apply cumulatively and shall be presume to be damages suffered by the CITY resulting from delay in the completion of work.
- d. Liquidated Damages for delay in completion of work shall only cover administrative, overhead, general loss of public use damages, interest on bonds and lost revenues when applicable, suffered by the CITY as a result of delay. LDs shall not cover the cost to complete the work, damages resulting for defective work, costs of substitute facilities, or damages suffered by others who seek to recover their damages for the CITY (for example, delay claims from other contractors, sub-contractors, tenants, or third-parties, and defense costs thereof.
- e. In addition, If operation of the City's existing facility is adversely affected by the Contractor's work, the City may suffer a financial loss and may make a claim against the Contractor to recovery its loss. Therefore, should the Contractor fail to replace an existing programmable logic controller (PLC) with a fully functioning PLC per the time frame allowed under Section 01010 paragraph 1.04-D and such failure adversely impacts the plant operation, the City shall have the right to assess \$3,000 per calendar day of impact as liquidated damages for adversely impacting plant operation.

III. CONTRACT SUM

- a. The CITY shall pay to the CONTRACTOR for the performance of the Contract the amounts determined for the total lump sum item of work completed at the price stated thereafter.
- b. Extra work not included in Article I, but authorized after the date of the Contract that cannot be classified as coming under any of the Contract lump sum items, may be done at mutually agreed-upon unit prices, or on a lump sum basis, or under the provisions of Section 9 of the City of Fairfield Standard Specifications and Details General Provisions.

**NORTH BAY REGIONAL WATER TREATMENT PLANT
SCADA SYSTEM IMPROVEMENTS**

BID SCHEDULE

Item No.	Item of Work	Unit	Total Price
1	Mobilization/Demobilization	LS	\$58,463.00
2	Furnish, Install and Test Fiber Optic Cabling	LS	\$77,697.00
3	Demolition of Existing Programmable Logic Controller Panels 2B, 3, 6, 9, 21 and 27	LS	\$15,155.00
4	Demolition of Existing Filter Control Panels 5A and 5B	LS	\$9,032.00
5	Furnish , Install and Test New Programmable Logic Controllers and Remote I/O in Existing Panels 1A, 1B, 2C, 4, 7, 7A, 8, 11 and 26	LS	\$293,563.00
6	Furnish Install and Test New Programmable Logic Controller Panels 2B, 3, 6, and 9	LS	\$277,945.00
7	Furnish, Install and Test New Filter Control Panels 5A and 5B	LS	\$156,609.00
8	Furnish, Install and Test New Ethernet Network Components	LS	\$65,234.00
9	Provide Training	LS	\$13,860.00
TOTAL BID PRICE			\$967,558.00

IV. PROHIBITED INTERESTS

No employee of the CITY shall have any direct financial interest in this contract. This contract shall be voidable at the option of the CITY if this provision is violated.

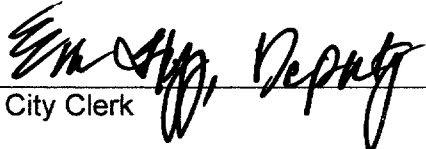
V. WORKERS' COMPENSATION

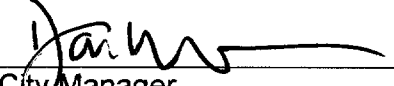
CONTRACTOR hereby certifies that CONTRACTOR is aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and that CONTRACTOR will comply with such provisions before commencing the performance of the work of this contract.

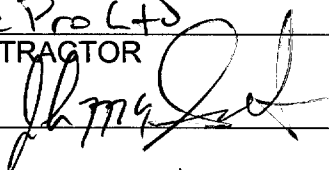
IN WITNESS WHEREOF, the parties have executed this Agreement the day and year first above written.

WITNESS:

CITY OF FAIRFIELD


City Clerk

By: 
City Manager 6014

Tec Pro Ltd
CONTRACTOR
By: 
Vice President
Title

Licensed in accordance with an act providing for the registration of contractors.

Contractor's License:

a. Class: C-10 / C-7
b. Number: 965752
c. Expiration Date: 9/30/2017
FEI Number: 92-0178156

CITY OF FAIRFIELD
STATE OF CALIFORNIA

PROPOSAL

**NORTH BAY REGIONAL WATER TREATMENT PLANT
SCADA SYSTEM IMPROVEMENTS**

To the City Clerk of the City of Fairfield:

The undersigned declares that he has examined the locations of the proposed work, that he has examined the plans, specifications, and all the contract documents, and hereby proposes to furnish all materials, labor, equipment, and perform all the work in strict accordance with said plans, specifications, and contract documents in consideration of the attached schedule.

The undersigned further agrees that, upon written acceptance of this bid, he will within 15 working days of receipt of such notice execute a formal contract agreement with the City of Fairfield, with necessary bonds and certificate and city standard form endorsement of insurance. He also agrees that, in the case of default in executing the contract, the proceeds of the check or bond accompanying his bid shall become the property of the City of Fairfield.

The undersigned agrees that, if awarded the contract, he will commence the work upon written notice to proceed and shall diligently prosecute the same to completion before the expiration of **three hundred (300) working days** from the date of said written notice to proceed.

Bids are to be submitted for the entire work.

The amount of the bid for comparison purposes will be total amount of bid.

The bidder shall set forth for each unit basis item of work an item price and a total for the item, and for each lump sum item a total for the item, all in clearly legible figures in the respective spaces provided for this purpose. In the case of unit basis items, the amount set forth under the "Total" column shall be the extension of the item price bid on the basis of the estimated quantity for this item.

In case of discrepancy between the item price and the total set forth for a unit basis item, the item price shall prevail, provided, however, if the amount set forth as an item price is ambiguous, unintelligible or uncertain for any cause, or is omitted, or is the same amount as the entry in the "Total" column, then the amount set forth in the "Total" column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained shall be the item price.

The following quantities are approximate only, being given as a basis for the comparison of bids, and the City of Fairfield does not expressly or by implication agree that the actual amount of work will correspond therewith and reserves the right to increase or decrease the amount of any portion of the work or to omit portions of the work as may be deemed necessary or advisable by the Engineer. The undersigned further agrees to accept the aforesaid unit bid prices in compensation for any additions or deductions caused by variation in quantity due to more accurate measurement or by any changes or alterations in the plans or specifications of the work.

Bidder acknowledges receipt of the following addenda:

Addendum No. 1

Date: 9/15/16

Addendum No. 2

Date: 9/20/16

Addendum No. 3

Date: 9/22/16

Addendum No. 4

Date: 9/23/16

**NORTH BAY REGIONAL WATER TREATMENT PLANT
SCADA SYSTEM IMPROVEMENTS**

BID SCHEDULE

Item No.	Item of Work	Unit	Total Price
1	Mobilization/Demobilization	LS	58,463.00
2	Furnish, Install and Test Fiber Optic Cabling	LS	77,697.00
3	Demolition of Existing Programmable Logic Controller Panels 2B, 3, 6, 9, 21 and 27	LS	15,155.00
4	Demolition of Existing Filter Control Panels 5A and 5B	LS	9,032.00
5	Furnish , Install and Test New Programmable Logic Controllers and Remote I/O in Existing Panels 1A, 1B, 2C, 4, 7, 7A, 8, 11 and 26	LS	293,563.00
6	Furnish Install and Test New Programmable Logic Controller Panels 2B, 3, 6, and 9	LS	277,945.00
7	Furnish, Install and Test New Filter Control Panels 5A and 5B	LS	156,609.00
8	Furnish, Install and Test New Ethernet Network Components	LS	65,234.00
9	Provide Training	LS	13,860.00
TOTAL BID PRICE			\$ 967,558.00

Bidder shall complete this form legibly and in its entirety. An incomplete form shall be grounds for disqualification of the bid.

TEC Pro Ltd



**NORTH BAY REGIONAL WATER TREATMENT PLANT
SCADA SYSTEM IMPROVEMENTS**

DESIGNATION OF SUBCONTRACTORS

In accordance with Section 8 of the General Provisions of the City of Fairfield Standard Specifications and Details for this contract, the following list of subcontractors is submitted with the proposal and made a part thereof. ~~The bidder shall note that he shall perform with his own organization at least 50% of the work with the remainder of the work performed by subcontractors.~~

If the Contractor fails to specify a subcontractor for any portion of the work to be performed under the contract, he shall be deemed to have agreed to perform such portion himself, and he shall not be permitted to subcontract that portion of the work except under the conditions hereinafter set forth.

Subletting or subcontracting of any portion of the work for which no subcontractor was designated in the original bids shall only be permitted in cases of public emergency or necessity, and then only after receiving written approval from the Engineer.

The name, CSLB license number, and location of the place of business of each subcontractor who will perform work or labor or render service to the Contractor in or about the construction of the project, the portion of the work to be performed by each subcontractor, and the percent of the total contract to be performed by each subcontractor, is set forth below. All columns are to be filled out. However, the information on percent of total contract may be submitted either with the bid, or within twenty-four (24) hours after the deadline for receipt of bids.

Subcontractor's Name and Address	Subcontractor's CSLB License Number	Portion of Work or Items to be Performed	Percent of Total Bid ¹
1) NO SUBCONTRACTORS USED			
2)			
3)			
4)			
5)			

1. Must be submitted within 24-hours of deadline for receipt of bids.

Note: Attach additional sheets if required

Tec Pro Ltd

Name of Firm

816 WHITNEY RD

ANCHORAGE, ALASKA 99501

Business Address

907-348-1800 / 877-778-5188

Phone Number



Signature of Responsible Official

Contractor's License:

a. Class:

C-10 / C-7

b. Number:

965752

c. Expiration Date:

9/30/2017

FEI Number:

92-0178156

If corporation or partnership, give legal name of corporation, president, secretary, treasurer, or names of all partners.

TEC PRO LTD

CYNTHIA L. SAUNDERS PRES.

JOSEPH M.E. SAUNDERS V PRES.

WESLEY E. SAUNDERS SEC.

NONCOLLUSION DECLARATION TO BE EXECUTED
BY
BIDDER AND SUBMITTED WITH BID

The undersigned declares:

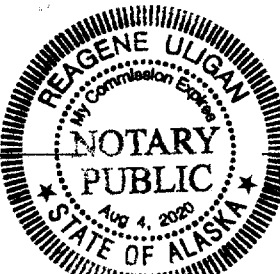
I am the Vice President of Tec Pro Ltd, the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 9/19/16 [date], at Anchorage [city], Alaska [state].

9/19/16
(Date)

 [Signature]
(Signature)

NOTE: THIS FORM MUST BE NOTARIZED.

STATE OF ALASKA

SUBSCRIBED AND SWORN TO ME THIS 14 DAY OF SEPTEMBER IN THE YEAR 2016

[Signature]
NOTARY PUBLIC
MY COMMISSION EXPIRES 08/4/20

REAGENE ULIGAN

BID BOND

KNOW ALL PERSONS BY THESE PRESENTS that:

WHEREAS the City of Fairfield ("City") has issued an invitation for bids for the work described as follows:

NORTH BAY REGIONAL WATER TREATMENT PLANT SCADA SYSTEM IMPROVEMENTS

WHEREAS Tec Pro Ltd

816 Whitney Road, Anchorage, AK 99501

(Name and address of Bidder)

("Contractor") desires to submit a bid to City for the work.

WHEREAS, bidders are required under the provisions of the California Public Contract Code to furnish a form of bidder's security with their bid.

NOW, THEREFORE, we, the undersigned Contractor, as Principal, and _____

Contractors Bonding and Insurance Company

9025 N. Lindbergh Drive, Peoria, IL 61615

(Name and address of Surety)

("Surety") a duly admitted surety insurer under the laws of the State of California, as Surety, are held and firmly bound unto City in the penal sum of Ten Percent of Bid Amount

Dollars (\$ 10%), being not less than ten percent (10%) of the total bid price, in lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT, if the hereby bounded Contractor is awarded a contract for the work by City and, within the time and in the manner required by the bidding specifications, enters into the written form of contract included with bidding specifications, furnishes the required bonds, one to guarantee faithful performance and the other to guarantee payment for labor and materials, and furnishes the required insurance coverages, then this obligation shall become null and void; otherwise, it shall be and remain in full force and effect.

In case suit is brought upon this bond, Surety further agrees to pay all court costs incurred by City in the suit and reasonable attorneys' fees in an amount fixed by the court. Surety hereby waives the provisions of California Civil Code § 2845.

IN WITNESS WHEREOF, this instrument has been duly executed by Contractor and Surety, on the date set forth below, the name of each corporate party being hereto affixed and these presents duly signed by its undersigned representative(s) pursuant to authority of its governing body.

Dated: September 20, 2016

"Contractor"

"Surety"

Tec Pro Ltd

Contractors Bonding and Insurance Company

By: 

By: 

Title
Vice President

Title

By: _____

By: Kristy M. Konte, Attorney-in-Fact

Title

Title

(Seal)

(Seal)

Note: This bond must be dated, **all signatures must be notarized**, and evidence of the authority of any person signing as attorney-in-fact must be attached.



9025 N. Lindbergh Dr. | Peoria, IL 61615
Phone: (800)645-2402 | Fax: (309)689-2036

POWER OF ATTORNEY

RLI Insurance Company

Contractors Bonding and Insurance Company

Know All Men by These Presents:

That this Power of Attorney is not valid or in effect unless attached to the bond which it authorizes executed, but may be detached by the approving officer if desired.

That this Power of Attorney may be effective and given to either or both of **RLI Insurance Company** and **Contractors Bonding and Insurance Company**, required for the applicable bond.

That **RLI Insurance Company** and/or **Contractors Bonding and Insurance Company**, each Illinois corporations (as applicable), each authorized and licensed to do business in all states and the District of Columbia do hereby make, constitute and appoint:

Kelly Michael Layman, James K. Brady, Kristy M. Konte, Kirk C. Leadbetter, Katie Booher, Jay A. Miley, Glen Lopez, jointly or severally

in the City of Anchorage, State of Alaska, as Attorney in Fact, with full power and authority hereby conferred upon him/her to sign, execute, acknowledge and deliver for and on its behalf as Surety, in general, any and all bonds, undertakings, and recognizances in an amount not to exceed Ten Million Dollars (\$10,000,000.00) for any single obligation.

The acknowledgment and execution of such bond by the said Attorney in Fact shall be as binding upon this Company as if such bond had been executed and acknowledged by the regularly elected officers of this Company.

RLI Insurance Company and **Contractors Bonding and Insurance Company**, as applicable, have each further certified that the following is a true and exact copy of the Resolution adopted by the Board of Directors of each such corporation, and now in force, to-wit:

"All bonds, policies, undertakings, Powers of Attorney or other obligations of the Corporation shall be executed in the corporate name of the Corporation by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or Agents who shall have authority to issue bonds, policies or undertakings in the name of the Corporation. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the Corporation. The signature of any such officer and the corporate seal may be printed by facsimile or other electronic image."

IN WITNESS WHEREOF, **RLI Insurance Company** and/or **Contractors Bonding and Insurance Company**, as applicable, have caused these presents to be executed by its respective Vice President with its corporate seal affixed this 21st day of April, 2016.

State of Illinois
County of Peoria

} SS



RLI Insurance Company
Contractors Bonding and Insurance Company

B. W. Davis

Barton W. Davis

Vice President

CERTIFICATE

On this 21st day of April, 2016, before me, a Notary Public, personally appeared Barton W. Davis, who being by me duly sworn, acknowledged that he signed the above Power of Attorney as the aforesaid officer of the **RLI Insurance Company** and/or **Contractors Bonding and Insurance Company**, and acknowledged said instrument to be the voluntary act and deed of said corporation.

I, the undersigned officer of **RLI Insurance Company**, and/or **Contractors Bonding and Insurance Company**, each Illinois corporations, do hereby certify that the attached Power of Attorney is in full force and effect and is irrevocable; and furthermore, that the Resolution of the Company as set forth in the Power of Attorney, is now in force. In testimony whereof, I have hereunto set my hand and the seal of the **RLI Insurance Company** and/or **Contractors Bonding and Insurance Company** this 20th day of September, 2016.

Jacqueline M. Bockler
Jacqueline M. Bockler Notary Public



RLI Insurance Company
Contractors Bonding and Insurance Company

B. W. Davis

Barton W. Davis

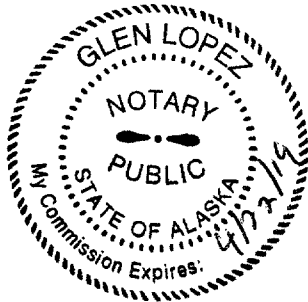
Vice President

Notary Acknowledgement

State of Alaska

On this 20th day of September, 2016

Before me personally appeared Kristy M. Konte, to me known, who being by me duly sworn, did depose and say; that she resided in Anchorage, Alaska, that she is an Attorney-in-Fact, of Contractors Bonding and Insurance Company, the corporation described in and which executed the foregoing instrument; that she knew the seal of said corporation, that the seal affixed to said instrument was such corporate seal, that she signed her name thereunto, for the act of deed of said firm.




Notary Public

My Commission Expires: 4/22/2019

CITY OF FAIRFIELD
STATE OF CALIFORNIA

NORTH BAY REGIONAL WATER TREATMENT PLANT SCADA SYSTEM
IMPROVEMENTS

Addendum No. 1

September 15, 2016

This constitutes Addendum No. 1 to the Contract Documents for the NORTH BAY REGIONAL WATER TREATMENT PLANT SCADA SYSTEM IMPROVEMENTS Project. The Bidder shall acknowledge receipt of this Addendum on Page P-2 of the Bidder's Proposal (Blue Section) and attach this signed Addendum to the Bidder's Proposal when submitted.

PROJECT SPECIFICATIONS

Notice to Contractors:

- 1) Page NC-2, Item 7 shall be deleted in its entirety.

Proposal (blue section):

- 2) Page P-4 "Designation of Subcontractors"; delete the last sentence of the first paragraph. The revised paragraph shall read as follows:

"In accordance with Section 8 of the General Provisions of the City of Fairfield Standard Specifications and Details for this contract, the following list of subcontractors is submitted with the proposal and made a part thereof."

Special Provisions/ Technical Specifications (goldenrod section):


- 3) Section 01010 "Summary of Work and Contract Considerations" section 1.02 "Work Under Other Contracts" Page 01010-1; add the attached "Section 01010 Appendix A" to the end of the section. This states Telstar's scope of work, taken from the contract between Telstar and the City.

PROJECT PLANS


- 1) Sheets IC-252, IC-272 and IC-451; Bill of Materials lists. The missing catalog number for Item 14e on sheets IC-252 and IC 272, and item 14f on sheet IC-451 for the "Control Logix Processor Extender" is **1756-EN2T**.
- 2) The Power Supply model number within the Bill of Materials lists identified in the following listing is revised to be **1756-PB75/B (24VDC)**.

Sheet IC-100 Bill of Materials Item (2)
Sheet IC-125 Bill of Materials Item (2)
Sheet IC-151 Bill of Materials Item (14b)
Sheet IC-175 Bill of Materials Item (2)
Sheet IC-201 Bill of Materials Item (14b)
Sheet IC-225 Bill of Materials Item (2)
Sheet IC-252 Bill of Materials Item (14b)
Sheet IC-272 Bill of Materials Item (14b)
Sheet IC-351 Bill of Materials Item (14b)
Sheet IC-375 both Bills of Materials Item (2)
Sheet IC-425 Bill of Materials Item (2)
Sheet IC-451 Bill of Material Item (14c)
Sheet IC-475 Bill of Material Item (2)
Sheet IC-525 both Bills of Materials Item (2)

APPROVED:


Julie B. Lucido, P.E.
City Engineer

ACKNOWLEDGEMENT:


CONTRACTOR
TPL

CITY OF FAIRFIELD
STATE OF CALIFORNIA

NORTH BAY REGIONAL WATER TREATMENT PLANT SCADA SYSTEM
IMPROVEMENTS

Addendum No. 2

September 20, 2016

This constitutes Addendum No. 2 to the Contract Documents for the NORTH BAY REGIONAL WATER TREATMENT PLANT SCADA SYSTEM IMPROVEMENTS Project. The Bidder shall acknowledge receipt of this Addendum on Page P-2 of the Bidder's Proposal (Blue Section) and attach this signed Addendum to the Bidder's Proposal when submitted.

PROJECT SPECIFICATIONS

Notice to Contractors:

- 1) Page NC-2, Item 10 shall be revised as follows:

"Bids will be received until 2:00 PM on September 27, 2016 at the office of the City Engineer, 3rd floor City Hall, 1000 Webster Street, at which time bids will be opened. No phones are available at the City offices for use by the bidders. The wall clock at the Public Works Counter will be the final determination of the time."

- 2) Page NC-3, the table in Item 13 shall be revised as follows:


Date	Event
August 22, 2016 – September 27, 2016	Bid Acceptance Period
September 6, 2016; 11:00 AM	Mandatory Pre-Bid Meeting
September 12, 2016; 4:00 PM	Deadline for Bid Questions
September 27, 2016; 2:00PM	Bid Opening
October 18, 2016	Anticipated Award of a Construction Contract

Instructions to Bidders:

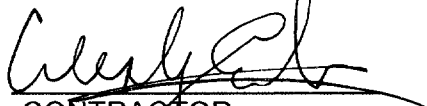
- 3) Page IB-1, Item 1 shall be revised as follows:

"The City Engineer of the City of Fairfield, California will receive at his office at the City Hall, sealed proposals on or before 2:00 p.m. on Tuesday, September 27, 2016."

APPROVED:


Julie B. Lucido, P.E.
City Engineer

ACKNOWLEDGEMENT:


CONTRACTOR
TPL

CITY OF FAIRFIELD
STATE OF CALIFORNIA

NORTH BAY REGIONAL WATER TREATMENT PLANT SCADA SYSTEM
IMPROVEMENTS

Addendum No. 3

September 22, 2016

This constitutes Addendum No. 3 to the Contract Documents for the NORTH BAY REGIONAL WATER TREATMENT PLANT SCADA SYSTEM IMPROVEMENTS Project. The Bidder shall acknowledge receipt of this Addendum on Page P-2 of the Bidder's Proposal (Blue Section) and attach this signed Addendum to the Bidder's Proposal when submitted.

PROJECT SPECIFICATIONS

Notice to Contractors:

- 1) Page NC-2, Item 10 shall be revised as follows:

"Bids will be received until 2:00 PM on September 29, 2016 at the office of the City Engineer, 3rd floor City Hall, 1000 Webster Street, at which time bids will be opened. No phones are available at the City offices for use by the bidders. The wall clock at the Public Works Counter will be the final determination of the time."

- 2) Page NC-3, the table in Item 13 shall be revised as follows:

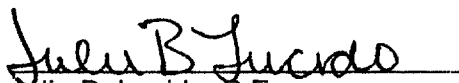
Date	Event
August 22, 2016 – September 29, 2016	Bid Acceptance Period
September 6, 2016; 11:00 AM	Mandatory Pre-Bid Meeting
September 12, 2016; 4:00 PM	Deadline for Bid Questions
September 29, 2016; 2:00PM	Bid Opening
October 18, 2016	Anticipated Award of a Construction Contract

Instructions to Bidders:

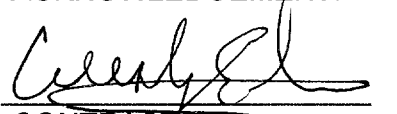
- 3) Page IB-1, Item 1 shall be revised as follows:

"The City Engineer of the City of Fairfield, California will receive at his office at the City Hall, sealed proposals on or before 2:00 p.m. on Tuesday, September 29, 2016."

APPROVED:


Julie B. Lucido, P.E.
City Engineer

ACKNOWLEDGEMENT:


CONTRACTOR
TPL

CITY OF FAIRFIELD
STATE OF CALIFORNIA

NORTH BAY REGIONAL WATER TREATMENT PLANT SCADA SYSTEM
IMPROVEMENTS

Addendum No. 4

September 23, 2016

This constitutes Addendum No. 4 to the Contract Documents for the NORTH BAY REGIONAL WATER TREATMENT PLANT SCADA SYSTEM IMPROVEMENTS Project. The Bidder shall acknowledge receipt of this Addendum on Page P-2 of the Bidder's Proposal (Blue Section) and attach this signed Addendum to the Bidder's Proposal when submitted.

PROJECT SPECIFICATIONS

Specific Provisions (goldenrod section):

- 1) Section 17330 "Programmable Logic Controller (PLC)" Part 2 "Products" section 2.01 Item C.5.d. on page 17330-3, delete text and replace with:

"d. Allen Bradley Energy Storage Module (ESM), model 1756-ESMCAP."
- 2) Section 17330 "Programmable Logic Controller (PLC)" Part 2 "Products" section 2.01 Item C.5.e. on page 17330-3, delete text and replace with:

"e. One (1) 1 GB removable storage card, Allen Bradley Secure Digital (SD) card., model 1784-SD1."
- 3) Section 17330 "Programmable Logic Controller (PLC)" Part 2 "Products" section 2.01 Item C.5.f. on page 17330-3, change the CPU model number from "1756-L62 or higher" to:

"1756-L72, unless otherwise specified on the Drawings".
- 4) Section 17330 "Programmable Logic Controller (PLC)" Part 2 "Products" section 2.01 Item C.6.a.8) on page 17330-3, change the AI model number from 1756-IF8 to **1756-IF8I**.
- 5) Section 17330 "Programmable Logic Controller (PLC)" Part 2 "Products" section 2.01 Item C.6.a.9) on page 17330-3, delete paragraph 9) entirely.

14) At the end of Section 17331 add:

"SECTION 17331 APPENDIX A

Input/output listing for existing PLC 20:

0/0/0 1771-IFE

Chan1 Filter 1 level
Chan2 Filter 2 level
Chan3 Filter 3 level
Chan4 Filter 4 level
Chan5 Filter 5 level
Chan6 Filter 6 level
Chan7 Filter 7 level
Chan8 Filter 8 level

0/1/0 1771-OFE2

Chan1 Filt 1 Eff Valve
Chan2 Filt 2 Eff Valve
Chan3 Filt 3 Eff Valve
Chan4 Filt 4 Eff Valve

0/2/0 1771-IFE

Chan1 Filt 1 Eff Valve Pos
Chan2 Filt 2 Eff Valve Pos
Chan3 Filt 3 Eff Valve Pos
Chan4 Filt 4 Eff Valve Pos
Chan5 Filt 5 Eff Valve Pos
Chan6 Filt 6 Eff Valve Pos
Chan7 Filt 7 Eff Valve Pos
Chan8 Filt 8 Eff Valve Pos

0/3/0 1771-OFE2

Chan1 Filt 5 Eff Valve
Chan2 Filt 6 Eff Valve
Chan3 Filt 7 Eff Valve
Chan4 Filt 8 Eff Valve

1/0/0 1771-IFE

Chan1 Future
Chan2 Future
Chan3 Future
Chan4 Future
Chan5 Future
Chan6 Future
Chan7 Future
Chan8 Future

1/2/0 1771-OFE2

Chan1 Future
Chan2 Future
Chan3 Future
Chan4 Future"

- 4) The analog input module model numbers within the Bill of Materials lists identified in the following listing are revised to be **1756-IF8I**.

Sheet IC-375 PLC 7 Bill of Materials Item (7)
Sheet IC-375 PLC 7 RIO Bill of Materials Item (7)
Sheet IC-475 Bill of Materials Item (7)
- 5) On Sheet IC-375, in PLC 7 Key Plan, make slot 13 **BLANK** and slot 15 **AI**.
- 6) On Sheet IC-375, in PLC 7RIO make 10 slot rack a 17 slot rack and make slot 6 **AI**, slot 7 **AO**, slot 8 **AI**, slot 9 **AI**, and slots 10 through 16 **BLANK**.
- 7) On Sheet IC-375, in PLC 7RIO Bill of Materials, change QTY of Item (7) from 1 to **4**.
- 8) On Sheet IC-375, in PLC 7RIO Bill of Materials, change QTY of Item (9) from 3 to **7**.
- 9) On Sheet IC-475, in PLC 11 make slot 9 **AI** and slot 10 **AO**,
- 10) On Sheet IC-475, in PLC 11 Bill of Materials, change QTY of Item (7) from 1 to **2**.
- 11) On Sheet IC-251, change the Lower PLC Rack on the Panel Elevation and on the Lower Key Plan to be a 17 Slot Rack
- 12) On Sheet IC-251, at the Upper PLC Rack on the Panel Elevation, change Item (14a) callout at the upper right hand side to **(23)** and delete the Item (14c) above the rack and put a **(14b)** callout over the power supply at the upper left hand side.
- 13) On Sheet IC-251, at the Lower PLC Rack on the Panel Elevation, change Item (14b) callout at the upper right hand side to **(14a)** and change the Item (14c) callout above the rack power supply to **(14b)** at the upper left hand side.
- 14) On Sheet IC-251, in the lower Key Plan, make slots 7 and 8 **DI**, slots 11, 12, 13 and, 14 **AO** and slots 9, 10, 15 and 16 **BLANK**.
- 15) On Sheet IC-252, in Bill of Material, change QTY of Item (14f) from 5 to **7**.
- 16) On Sheet IC-252, in Bill of Material, change QTY of Item (14j) from 1 to **7**

TELSTAR

INSTRUMENTS

C10 Contractor License #422364

**CONTROL SYSTEM INTEGRATION • INSTRUMENTATION SALES & SERVICE
SCADA • PLC/HMI • Telemetry • Calibration • Maintenance**

June 17, 2016

North Bay Regional Water Treatment Plant
5110 Waterworks Lane
Fairfield, CA 94533

Attn: Brandan Hiltman
Subj: SR28911 Programming for SCADA Upgrade

Dear Brandan,

The City of Fairfield is preparing construction documents for upgrade of the control systems at their North Bay Regional Water Treatment Plant. The City seeks replacement of the existing iFIX SCADA software with Rockwell's FactoryTalk platform, and replacement of Allen Bradley PLC 5 hardware with new Allen Bradley ControlLogix hardware and software. Telstar is pleased to provide this quotation to furnish and install the new Rockwell FactoryTalk SCADA system software, and upgrade the existing PLC programs to be compatible with new ControlLogix hardware. Telstar will serve the role of System Integrator as defined in Specification Section 17010 of the NBRWTP SCADA System Improvements Project contract documents. This quotation includes procurement and installation of SCADA software. All hardware procurement and installation is provided by others.

Scope of Services:

1. Provide project integration, SCADA/PLC programming, startup and testing, and training as defined by the System Integrator role in the NBRWTP SCADA System Improvements Project contract documents.

Software provided by Telstar:

Telstar will furnish OVA template files configured by Rockwell Automation with Microsoft Server software (licenses furnished by City) and Rockwell Automation applications. The following Rockwell Automation software licenses will be furnished by Telstar. There may be additional software required to meet the City's needs once the project design is complete.

1. Quantity two (2) Rockwell PlantPax System - Process Automation System Server (PASS) concurrent (server licenses)
2. Quantity one (1) Rockwell PlantPax System - Engineering Workstation (EWS) concurrent (includes Factory Talk View SE Studio and Client, Studio 5000)
3. Rockwell PlantPax System - Operator Workstation (OWS) quantity ten (10) concurrent client licenses (includes Factory Talk View SE Client). City to furnish ten (10) remote desktop clients.

1717 Solano Way, Unit 34, **Concord**, CA 94520 Phone 925-671-2888, Fax 925-671-9507
4017 Vista Park Court, **Sacramento**, CA 95834 Phone 916-646-1999, Fax 916-646-1096
202 South Douty Street, **Hanford**, CA 93230 Phone 559-584-7116, Fax 559-584-8028



C10 Contractor License #422364

**CONTROL SYSTEM INTEGRATION • INSTRUMENTATION SALES & SERVICE
SCADA • PLC/HMI • Telemetry • Calibration • Maintenance**

4. Quantity one (1) Rockwell FactoryTalk Historian SE - 5000 points (includes one license for FactoryTalk VantagePoint)
5. Quantity one (1) Rockwell FactoryTalk App Serv-Info (VantagePoint), 1 concurrent user (historian viewer)
6. Quantity two (2) FactoryTalk View SE Clients for installation on the two 2-screen Operator Workstations in the Control Room

Telstar will also furnish:

- 1a. Quantity one (1) Ignition Alarm Module, with OPC-UA Module
- 2a. Quantity one (1) Allen-Bradley Driver Suite for Ignition Alarm Module

Clarification and Exclusions:

1. All hardware for the NBRWTP SCADA System Improvements Project is furnished and installed by others.
2. Microsoft, VMware, and other software licensing not specifically listed in this quotation is provided by others.

Terms and conditions per negotiated contract with the City.

We look forward to working with you on this project. If you have any questions, please contact me at (925) 671-2888.

Sincerely,

June Johnsen
General Manager
jjohnsen@telstarinc.com

1717 Solano Way, Unit 34, **Concord**, CA 94520 Phone 925-671-2888, Fax 925-671-9507
4017 Vista Park Court, **Sacramento**, CA 95834 Phone 916-646-1999, Fax 916-646-1096
202 South Douty Street, **Hanford**, CA 93230 Phone 559-584-7116, Fax 559-584-8028